AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A fluid mixing apparatus which controls supply of a plurality of fluids to mix the fluids, comprising:

a valve connected to a nozzle to control supply of another fluid to the flow of one fluid; and

said nozzle, a tip end of which is disposed at a center portion of flow of said one fluid, wherein a predetermined angle is formed between a flow direction of the one fluid and a flow direction of the another fluid, and wherein a direction of the nozzle inserted within flow of the one fluid is perpendicular to a flowing direction of the one fluid.

2. (canceled).

3. (canceled).

4. (currently amended): A standard gas generator which mixes a plurality of gases, comprising:

a first gas path in which a first gas flows;

a first flow controller provided in the first gas path, which controls flow rage of the first gas;

a first gas valve provided in the first gas path, which allows and stops the first gas to flow in the first gas path;

a second gas path in which a second gas flows;

a second flow controller provided in the second gas path, which controls flow rage of the second gas;

a second gas valve provided in the second gas path, which allows and stops the second gas to flow in the second gas path, said second gas valve being connected to a nozzle; and

said nozzle connected to said second gas path, a tip end of which is disposed at a center of said first gas path,

wherein a predetermined angle is formed between a flow direction of the first gas and a flow direction of the second gas, and wherein a direction of the nozzle inserted within flow of the first gas is perpendicular to a flowing direction of the first gas.

5. (previously presented): A method for controlling supply of a plurality of fluids to mix the fluids, comprising:

controlling supply of a first fluid into a flow path of a second fluid, wherein the first fluid is supplied into the flow path of the second fluid at a substantially center portion of the second fluid flow path, and wherein a direction of the nozzle inserted within the flow path of the second fluid is perpendicular to a flowing direction of the first fluid.

6. (canceled).

7. (canceled).

8. (previously presented): The method for controlling supply of a plurality of fluids to mix the fluids according to claim 5, wherein a flowing direction of the first fluid supplied from the nozzle is the same as a flowing direction of the second fluid and a predetermined angle is present between the flowing direction of the first fluid and that of the second fluid.

9. (previously presented): A fluid mixing apparatus according to claim 1, wherein a flowing direction of the fluid supplied from the nozzle is the same as a flowing direction of the one fluid and a predetermined angle is present between the flowing direction of the fluid supplied from the nozzle and that of the one fluid.

10. (previously presented): A fluid mixing apparatus according to claim 1, wherein a flowing direction of the fluid supplied from the nozzle is set to have a predetermined angle with respect to the flow of the fluid.

11. (new): A pipe arrangement block comprising:

a plurality of flow paths flowing a plurality of fluids therein;

a plurality of valves controlling the flow of the fluids; and

a plurality of mixing points for mixing the fluids, one or more of the plurality of mixing points operable with the fluid mixing apparatus of claim 1.

12. (new): The fluid mixing apparatus according to claim 1, wherein an inner diameter of said nozzle is 2 mm or less.